

# Unit 3 Building

Arkansas State Hospital (ASH)

# TEM DUST ANALYSIS M40543 013

Dies and Hile, LLP  
Settled Dust Samples

Client Sample ID: ASH 3 1

Sample Area/ Volume: 100 cm2

Filter Type: MCE 47mm

Pore size: 0.45

Effective Filter Area: 1297

Sample type: Dust

Analysis type: Dust

Grid Acceptance YES 25 %

Date Analyzed: 10/13/2006

Analyst: Kevin Simpson

Scope Number: 3

Accelerating Voltage: 100 KV

Indicated Mag: 25 KX

Screen Mag: 20 KX

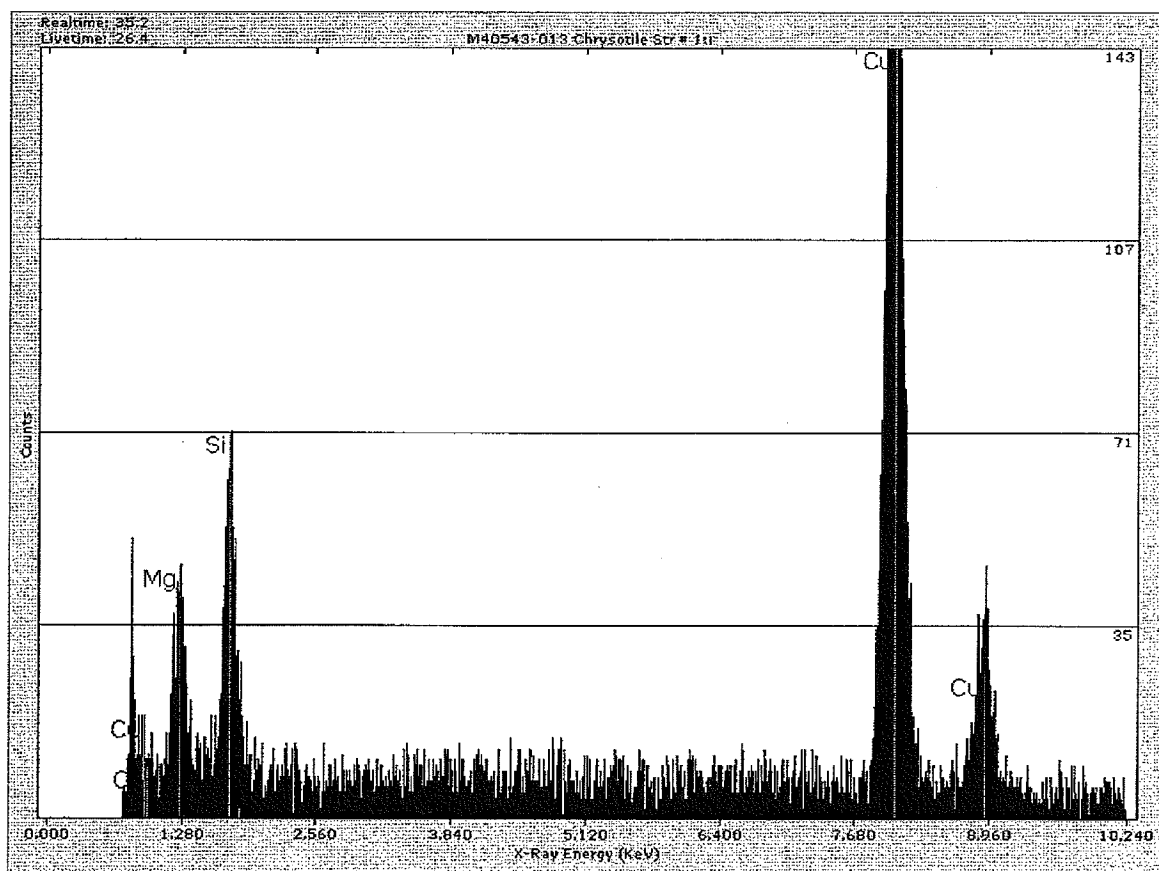
Grid\_box: 7192

Str < 5um:	1	Number of grids:	2	#1: 103	#3: 101	Average Grid Size:	0.010302
Str ≥ 5um:	0	Number of openings:	10	#2: 101	#4: 101	Total Area Analyzed:	0.103
Total Str:	1						
Volume Filtered	50 ml	Str / sq ft	2.339E+05	Str / cm2	2.518E+02		
Dilution Factor	2	Str / sq ft ≥ 5	0.000E+00	Str / cm2 ≥ 5	0.000E+00		

Sir#:	SquareID:	Type:	Structure:	Length	Width	Morph:	SAED:	EDS:	Photo:	Sketch:
	B10-E9		NSD							
	F7		NSD							
	D3		NSD							
	H5		NSD							
I	E6	C	F	1.00	0.10	X	M36344			
	B9-B4		NSD							
	H5		NSD							
	C2		NSD							
	F1		NSD							
	E10		NSD							

M40543 013

C - Chrysotile      NSD - No Structure Detected  
 TR - Tremolite      F - Fiber  
 CR - Crocidolite      B - Bundle  
 AN - Anthophyllite      M - Matrix  
 AC - Actinolite      C - Cluster



# Vocational/Maintenance Shop Building

Arkansas State Hospital (ASH)

**TEM DUST ANALYSIS****M40543 001****Dies and Hile, LLP**  
**Settled Dust Samples**

Client Sample ID: ASHVocMaint

Sample Area/ Volume: 100 cm2

Filter Type: MCE 47mm

Pore size: 0.45

Effective Filter Area: 1297

Sample type: Dust

Analysis type: Dust

Grid Acceptance YES 2 %

Date Analyzed: 10/3/2006

Analyst: MAM

Scope Number: 4

Accelerating Voltage: 100 KV

Indicated Mag: 25 KX

Screen Mag: 20 KX

Grid\_box: 7184, 7169, 7181, 7185

Str < 5um:	77	Number of grids:	2	#1: 100	#3: 100	Average Grid Size:	0.010000
Str ≥ 5um:	23	Number of openings:	6	#2: 100	#4: 100	Total Area Analyzed:	0.060
Total Str:	100						
Volume Filtered	0.1 ml	Str / sq ft	2.008E+10	Str / cm2	2.162E+07		
Dilution Factor	1000	Str / sq ft ≥ 5	4.619E+09	Str / cm2 ≥ 5	4.972E+06		

Str#:	SquareID:	Type:	Structure:	Length	Width	Morph:	SAED:	EDS:	Photo:	Sketch:
1	E10-A2	C	F	1.70	0.10	X	X	✓		
2		C	F	1.80	0.20	X	X	✓		
3		C	F	4.00	0.10	X	X	✓		
4		C	F	8.00	0.10	X	X	✓		
5		C	F	8.00	0.05	X	X	✓		
6		C	F	7.00	0.10	X	X	✓		
7		C	C-F	3.00	0.20	X	X	✓		
8		C	F	9.00	0.10	X	X	✓		
9		C	F	4.00	0.10	X	X			
10		C	F	2.30	0.10	X	X	✓		
11		C	C-F	1.00	0.10	X				
12		C	M-F	2.50	0.10	X				
13	F1	C	F	3.00	0.20	X				

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Str#:	SquareID:	Type:	Structure:	Length	Width	Morph:	SAED:	EDS:	Photo:	Sketch:
14		C	M-F	4.00	0.05	X				
15		C	F	1.30	0.10	X				
16		C	C-F	3.50	0.05	X				
17		C	M-F	2.00	0.10	X				
18		C	F	3.70	0.10	X				
19		C	F	4.00	0.10	X				
20		C	F	2.80	0.10	X	X			
21		C	F	24.00	0.10	X				
22		C	M-F	0.90	0.10	X				
23		C	M-F	3.80	0.10	X				
24		C	M-F	2.50	0.10	X				
25		C	M-F	2.50	0.10	X				
26	G5	C	M-F	1.00	0.10	X				
27		C	F	0.80	0.05	X				
28		C	F	2.20	0.05	X				
29		C	F	4.00	0.10	X				
30		C	F	1.70	0.10	X	X			
31		C	F	2.00	0.20	X				
32		C	F	1.50	0.10	X				
33		C	F	9.00	0.10	X				
34		C	F	2.00	0.05	X				
35		C	F	7.60	0.05	X				

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Str#:	SquareID:	Type:	Structure:	Length	Width	Morph:	SAED:	EDS:	Photo:	Sketch:	
36		C	F	1.60	0.10	X					
37		C	F	1.40	0.05	X					
38		C	M-B	2.00	0.20	X					
39		C	F	7.00	0.20	X					
40		C	F	0.90	0.10	X	X				
41		C	F	3.00	0.10	X					
42	E4	C	C-B	8.00	0.70	X					
43		C	F	3.80	0.10	X					
44		C	F	0.70	0.10	X					
45		C	F	7.00	0.10	X					
46		C	F	2.30	0.05	X					
47		C	F	2.00	0.10	X					
48		C	M-F	2.00	0.10	X					
49		C	F	6.60	0.10	X					
50		C	B	6.00	0.50	X	X				
51		C	M-F	1.00	0.05	X					
52		C	F	1.00	0.05	X					
53		C	F	2.00	0.10	X					
54		C	F	0.60	0.10	X					
55		C	F	1.70	0.10	X					
56		C	F	2.40	0.05	X					
57	E9-H3	C	F	10.00	0.05	X					

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Str#:	SquareID:	Type:	Structure:	Length	Width	Morph:	SAED:	EDS:	Photo:	Sketch:
58		C	F	12.50	0.10	X		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
59		C	F	2.00	0.10	X		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
60		C	F	8.00	0.10	X	X	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
61		C	F	8.00	0.05	X		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
62		C	M-F	19.00	0.10	X		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
63		C	F	1.00	0.10	X		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
64		C	F	6.70	0.05	X		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
65		C	M-F	1.70	0.10	X		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
66		C	F	6.00	0.10	X		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
67		C	M-F	6.00	0.10	X		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
68		C	F	3.70	0.05	X		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
69		C	F	3.00	0.10	X		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
70		C	M-F	1.30	0.10	X	X	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
71		C	F	27.00	0.10	X		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
72		C	B	1.30	0.20	X		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
73	F1	C	B	2.40	0.40	X		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
74		C	F	3.60	0.10	X		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
75		C	F	4.20	0.10	X		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
76		C	F	5.30	0.05	X		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
77		C	F	1.00	0.05	X		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
78		C	M-F	1.80	0.05	X		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
79		C	F	1.30	0.05	X		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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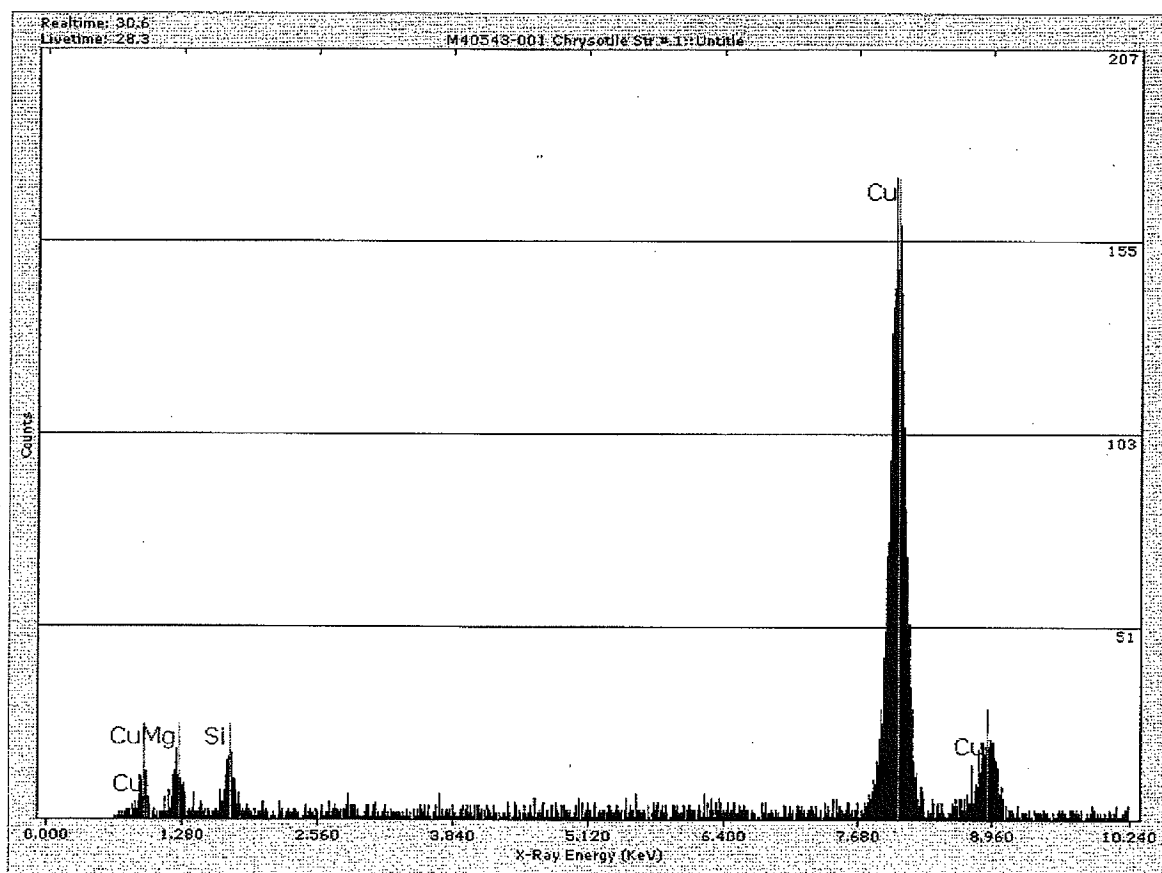
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80		C	M-F	1.80	0.05	X	X	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
81		C	F	3.00	0.05	X		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
82		C	F	0.70	0.10	X		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
83		C	F	0.60	0.10	X		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
84		C	F	1.30	0.05	X		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
85		C	F	3.40	0.05	X		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
86		C	M-F	1.70	0.05	X		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
87		C	F	0.90	0.10	X		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
88		C	F	1.30	0.05	X		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
89		C	F	0.70	0.05	X		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
90		C	F	13.00	0.10	X	X	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
91		C	F	1.30	0.05	X		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
92		C	F	3.60	0.05	X		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
93		C	F	4.60	0.05	X		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
94		C	M-F	1.40	0.05	X		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
95		C	F	1.80	0.05	X		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
96		C	F	1.70	0.10	X		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
97		C	M-F	2.00	0.10	X		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
98		C	F	1.70	0.05	X		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
99		C	F	0.90	0.05	X		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
100		C	F	1.60	0.10	X	X	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

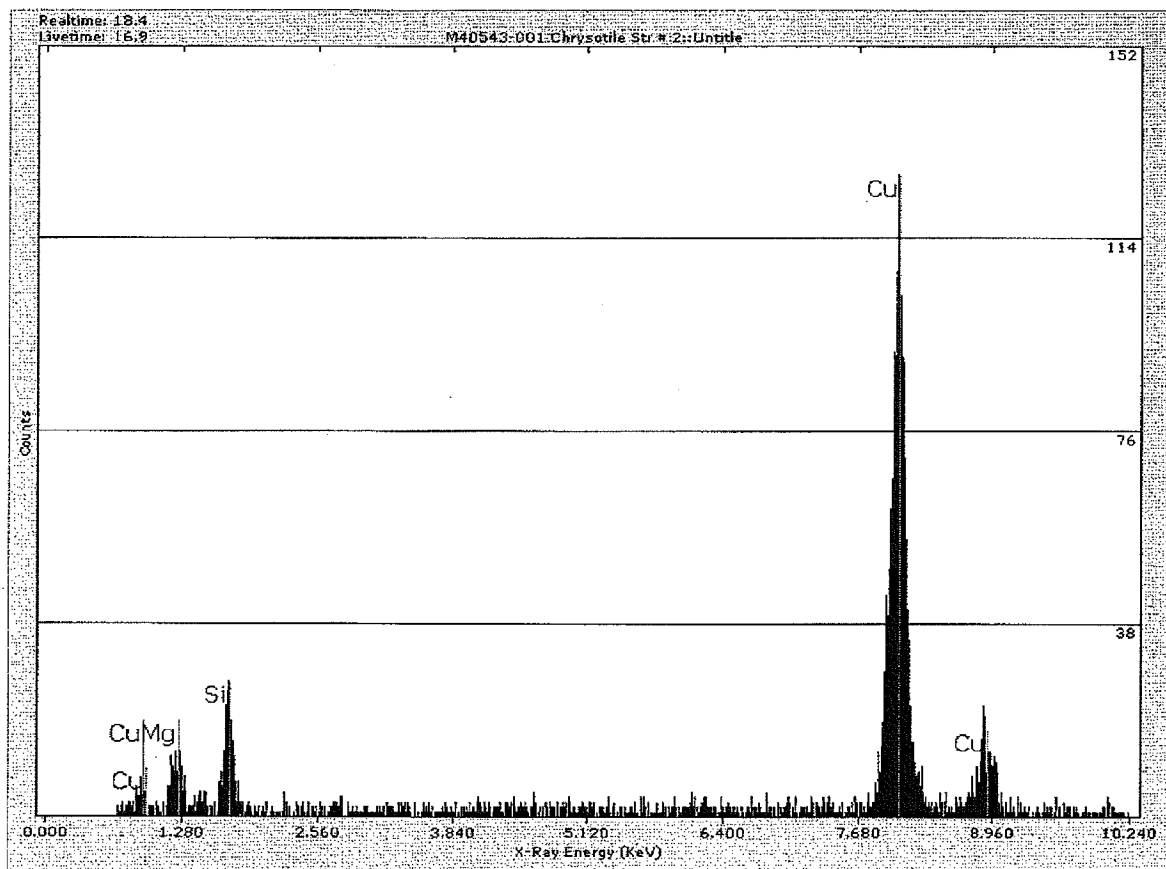
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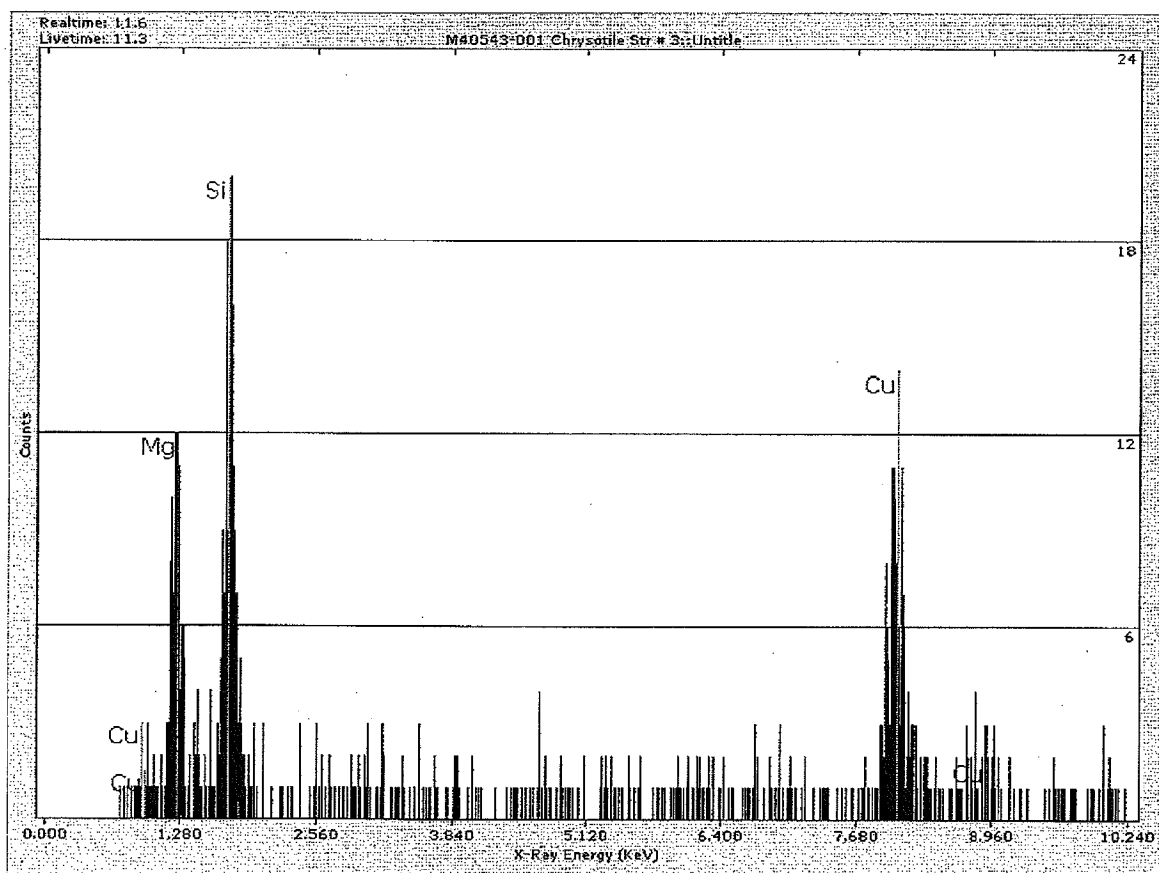
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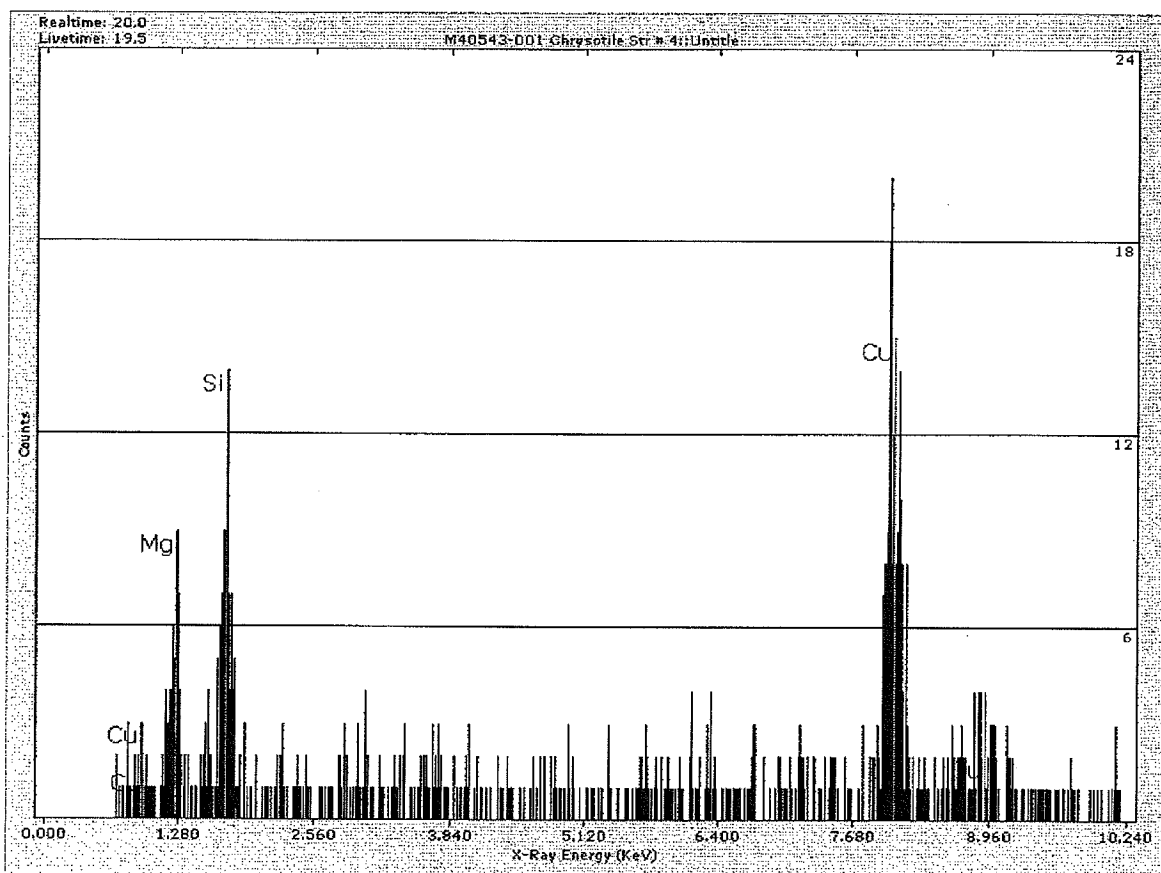
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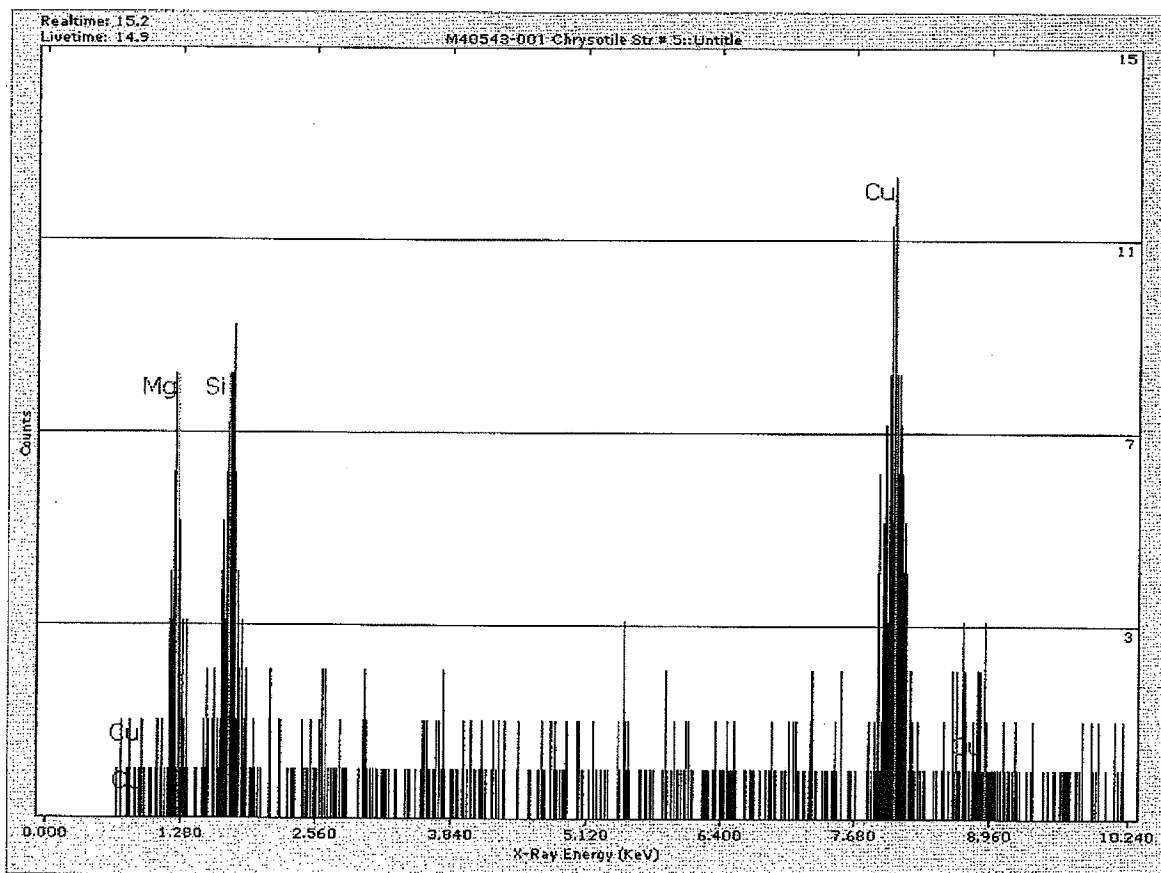
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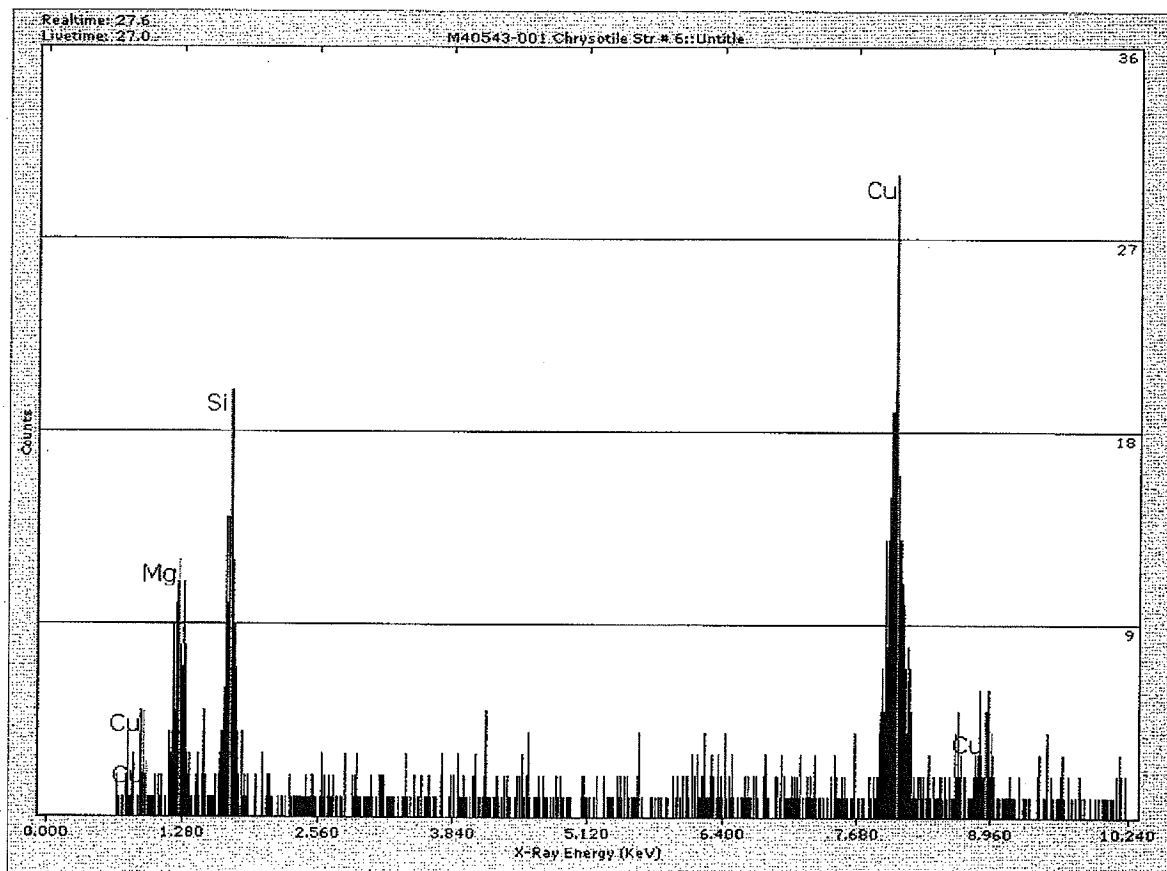


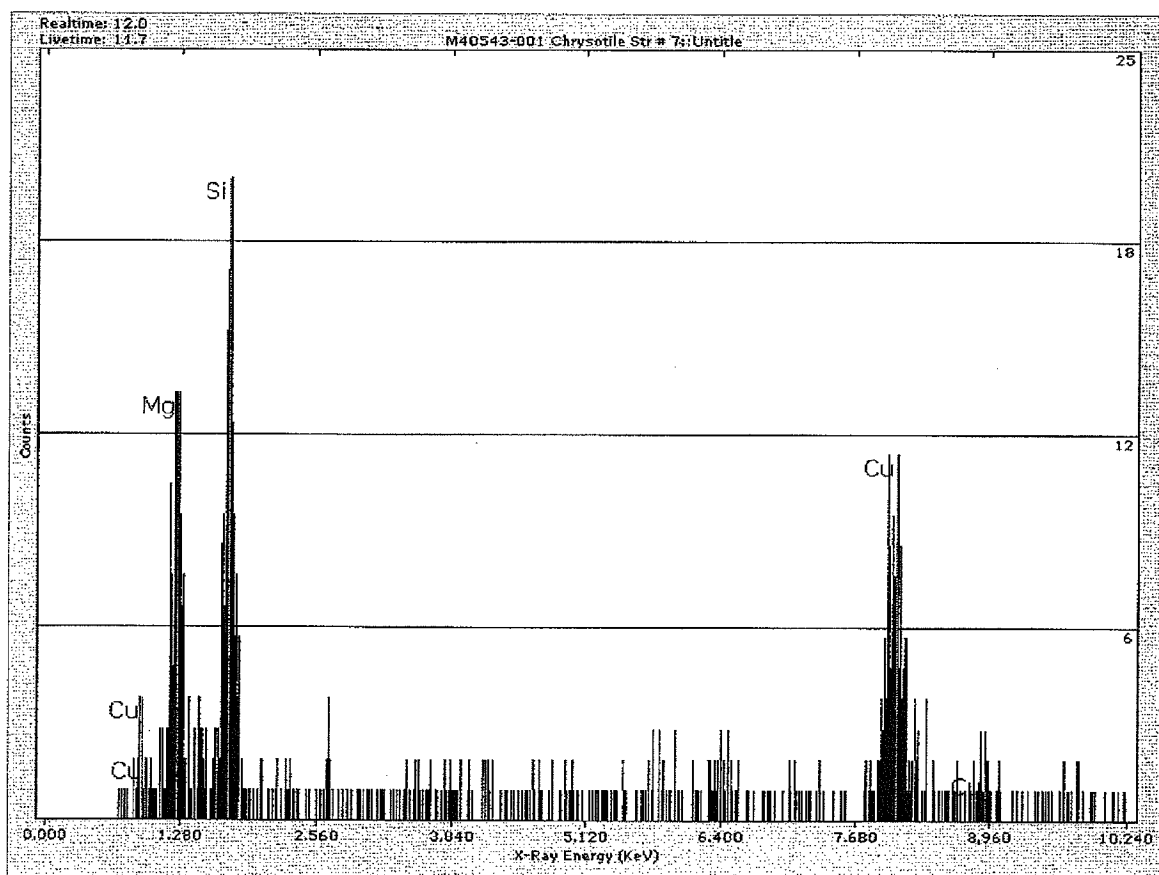


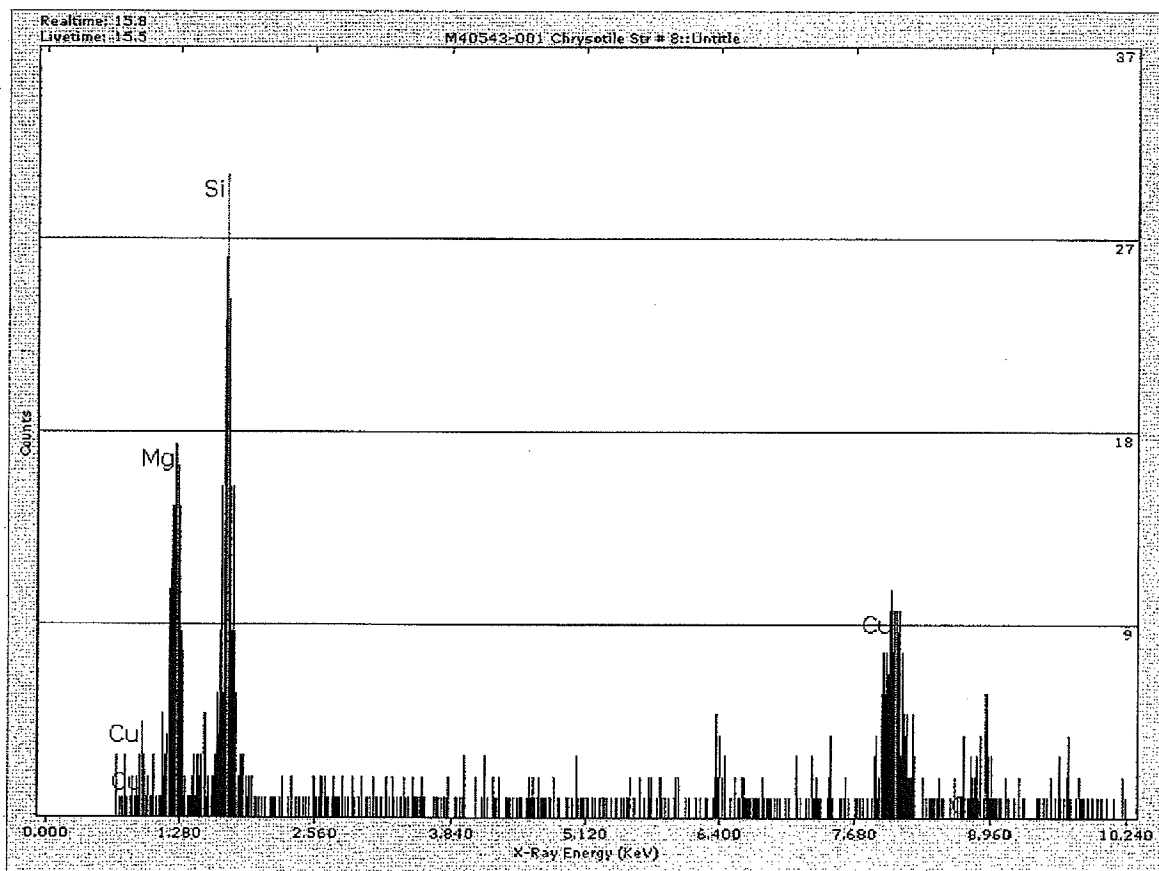


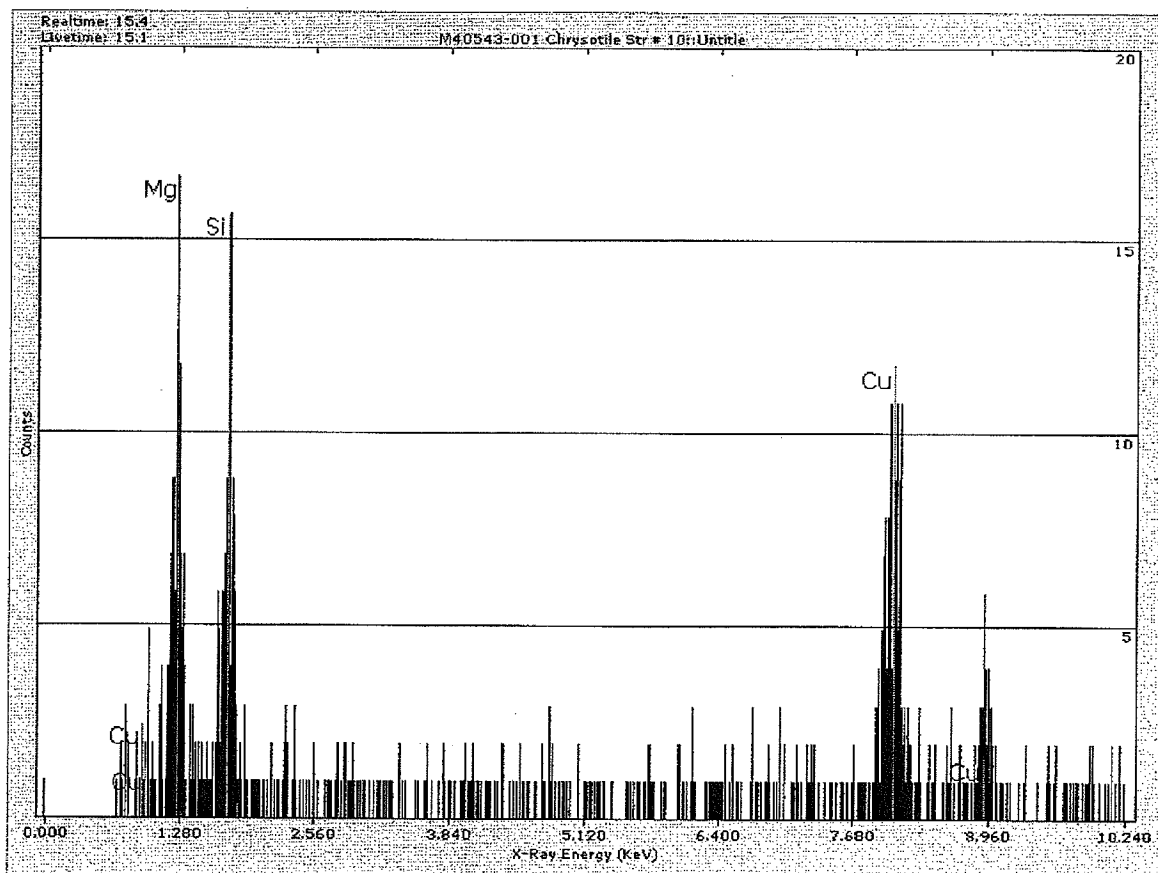


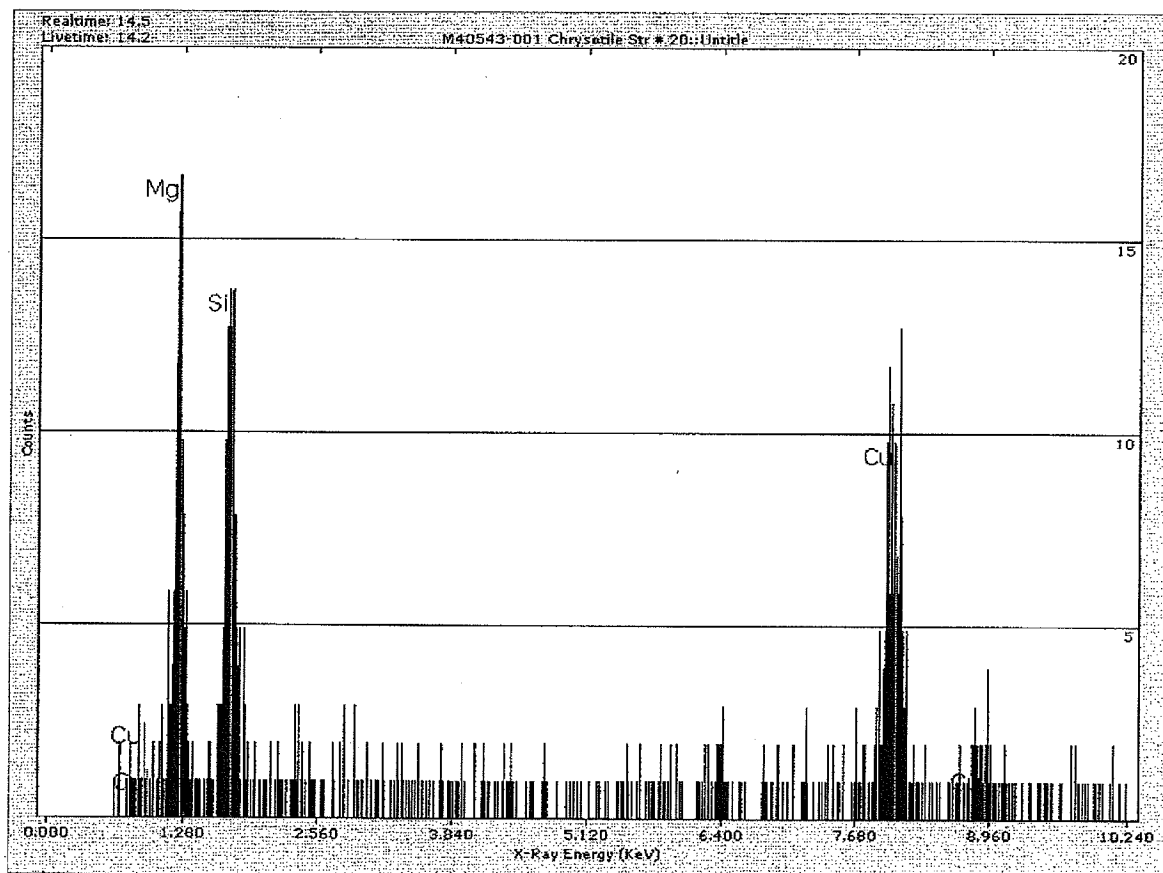


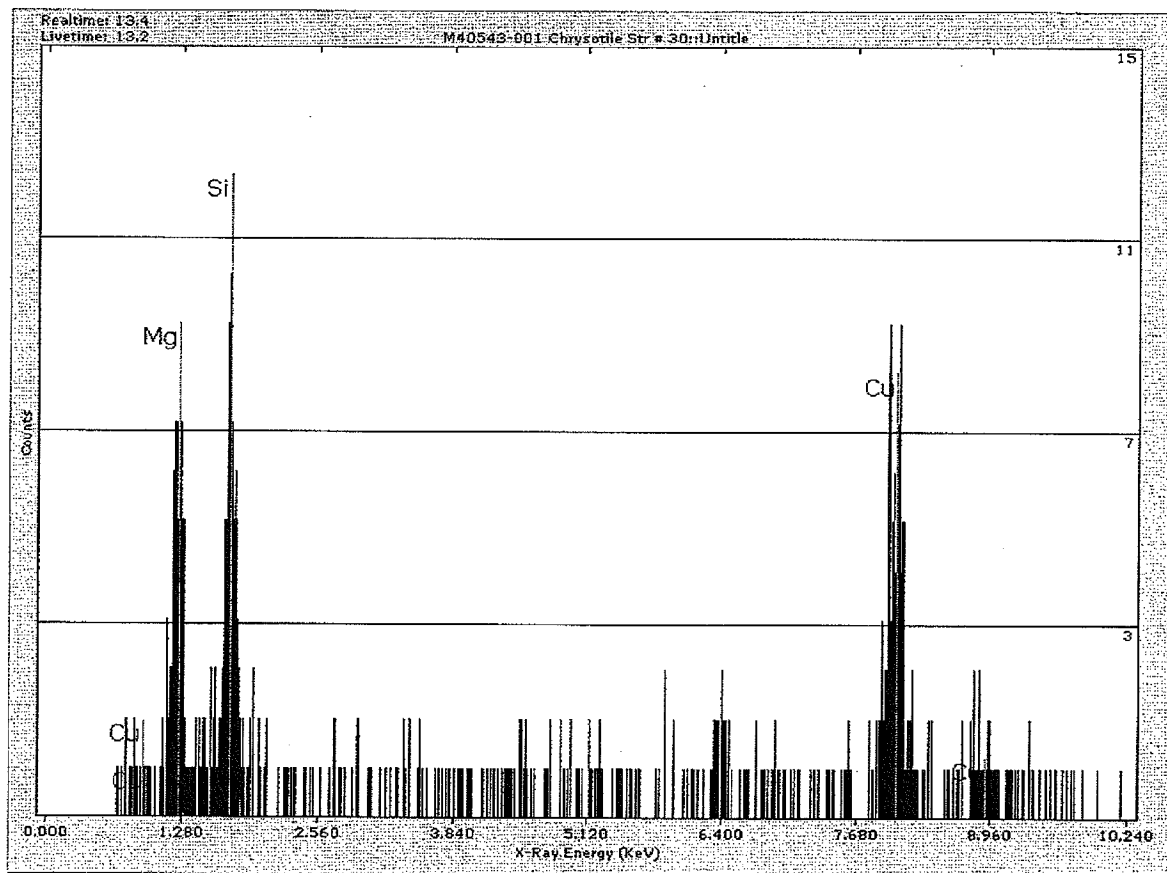


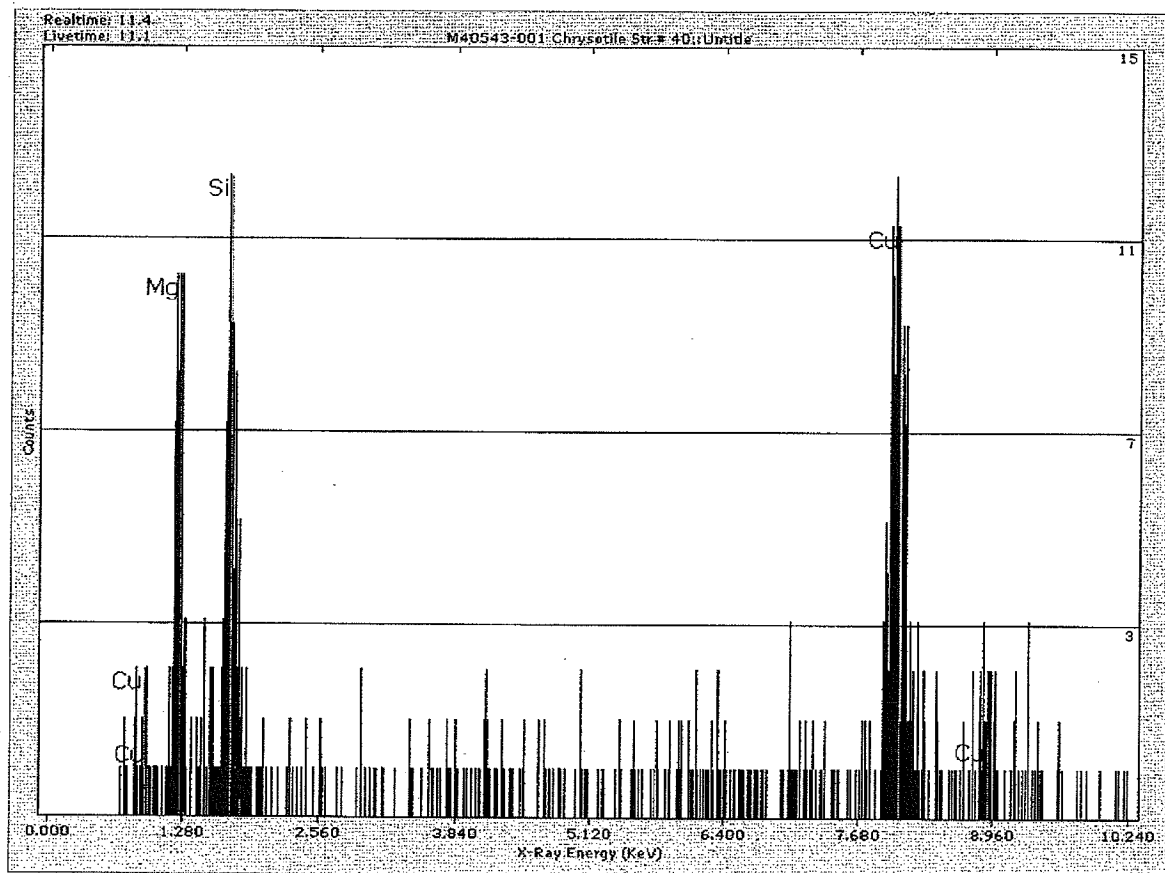


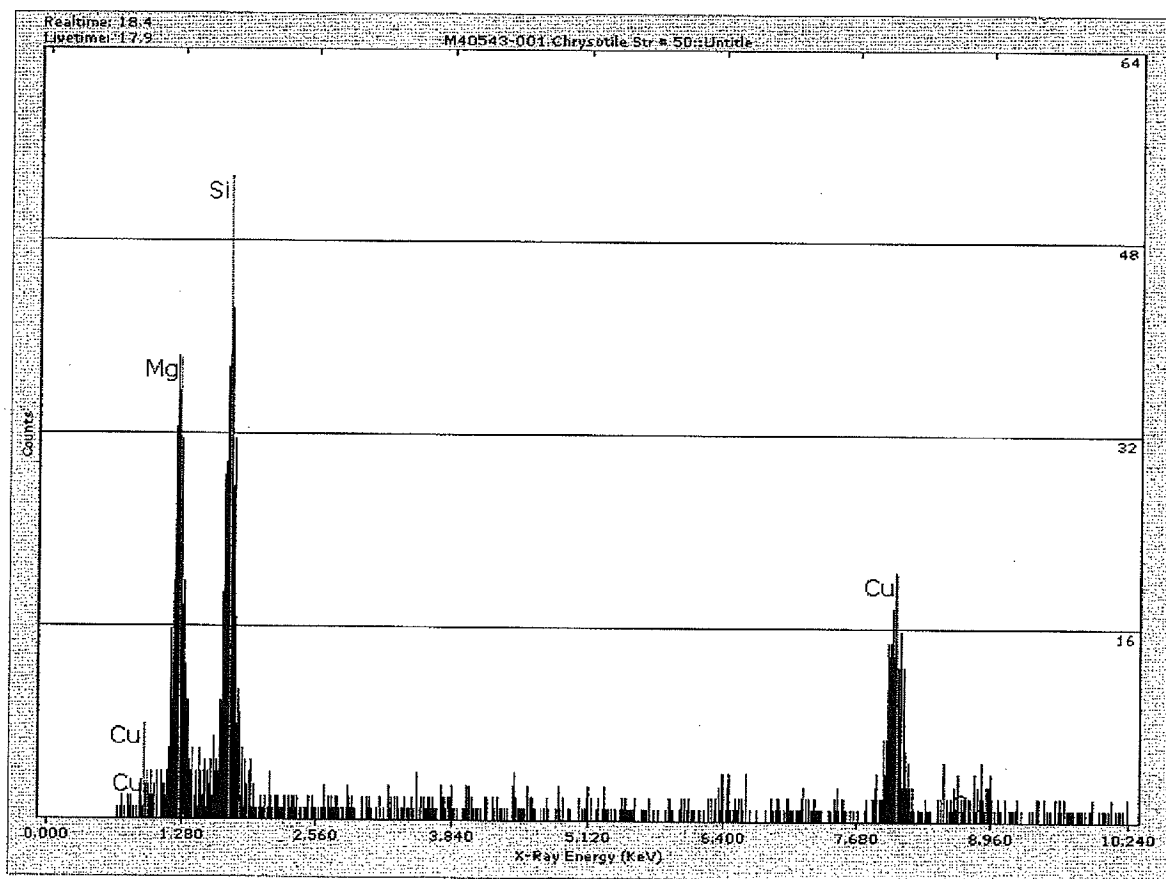


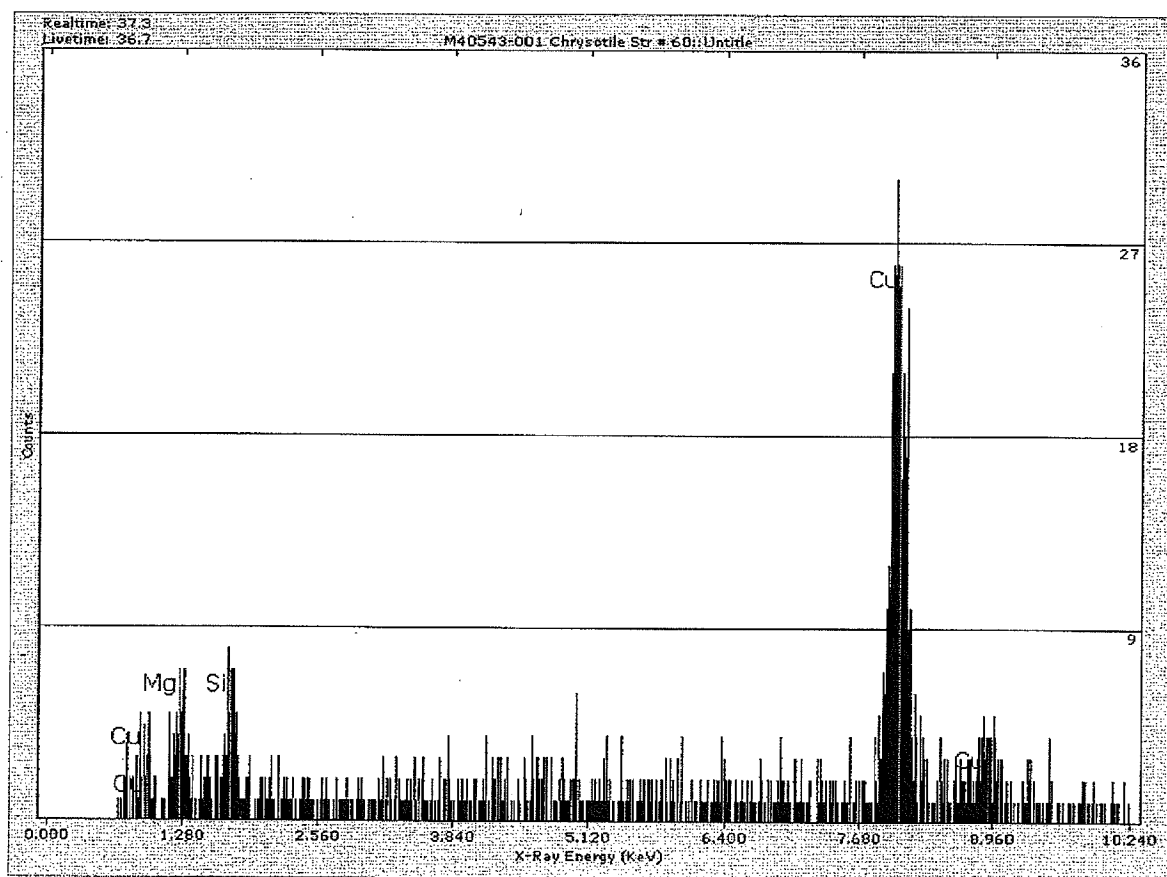


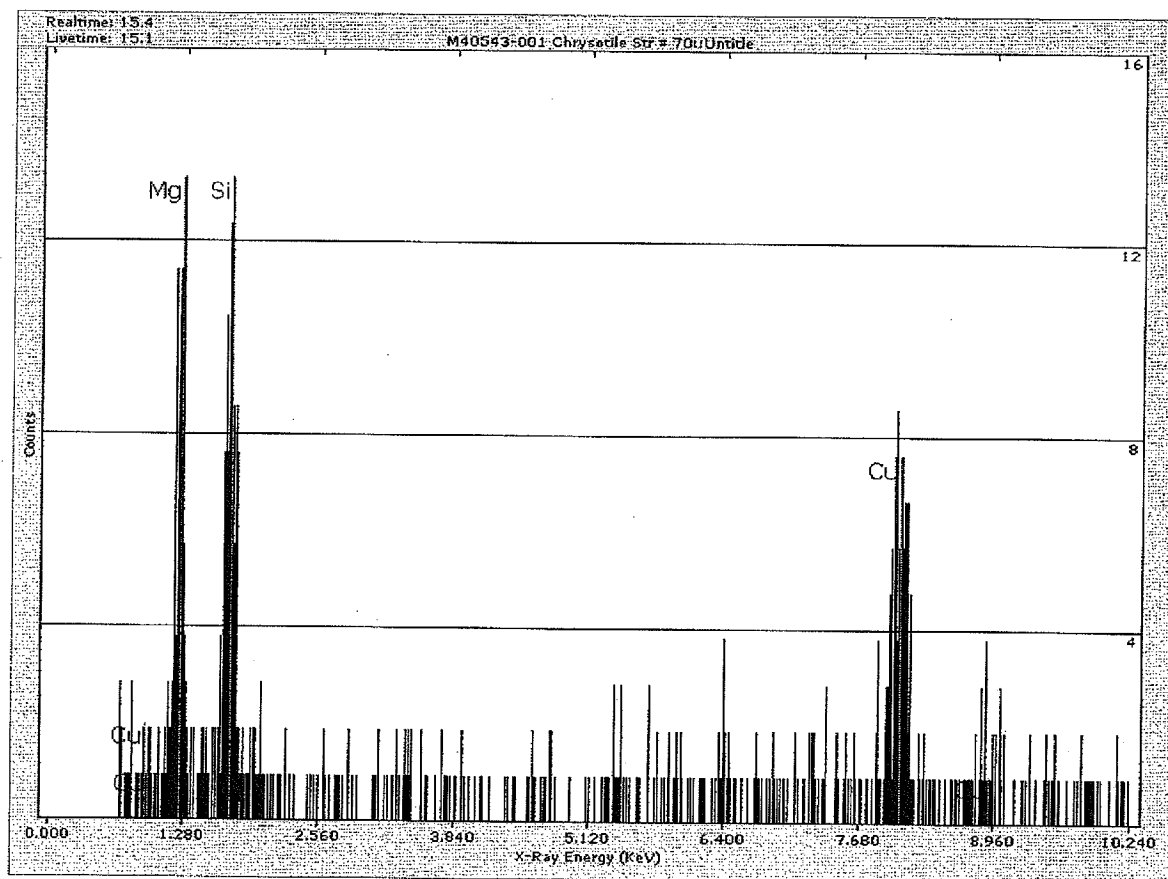


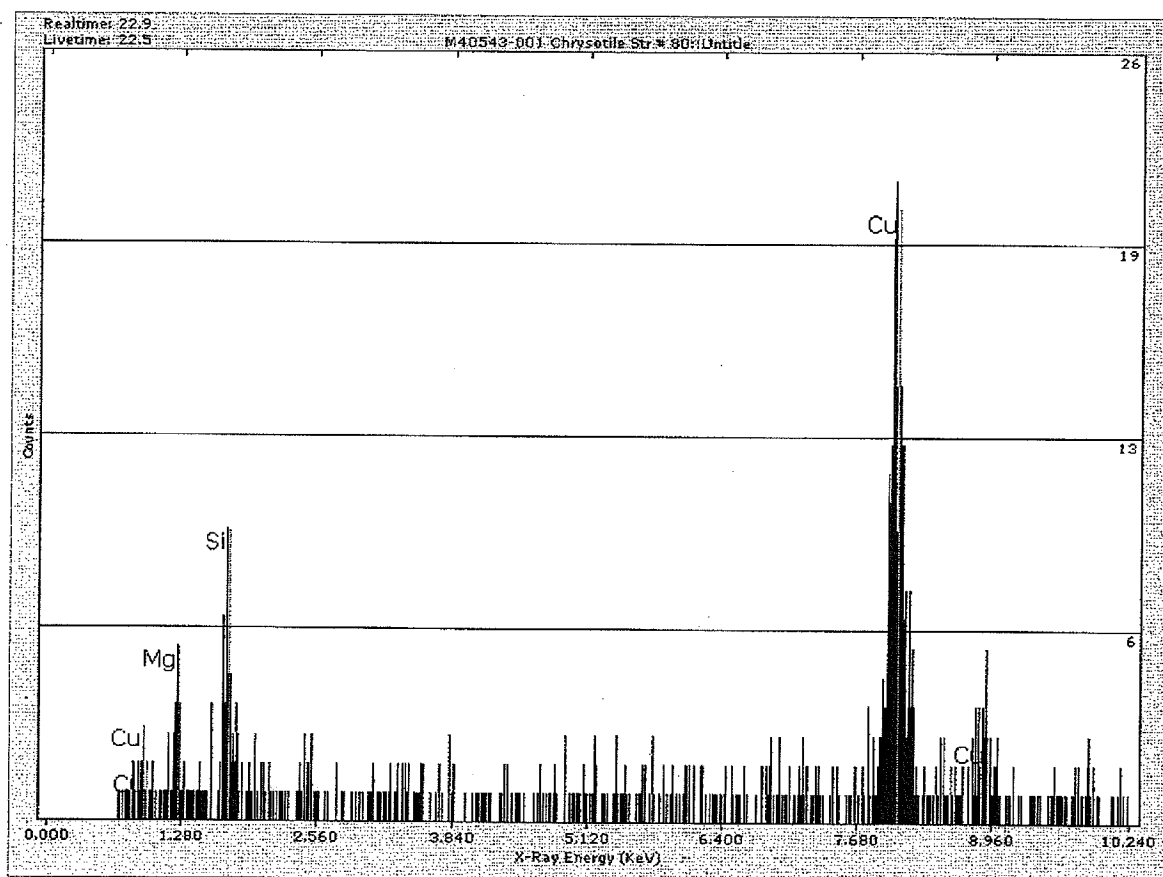


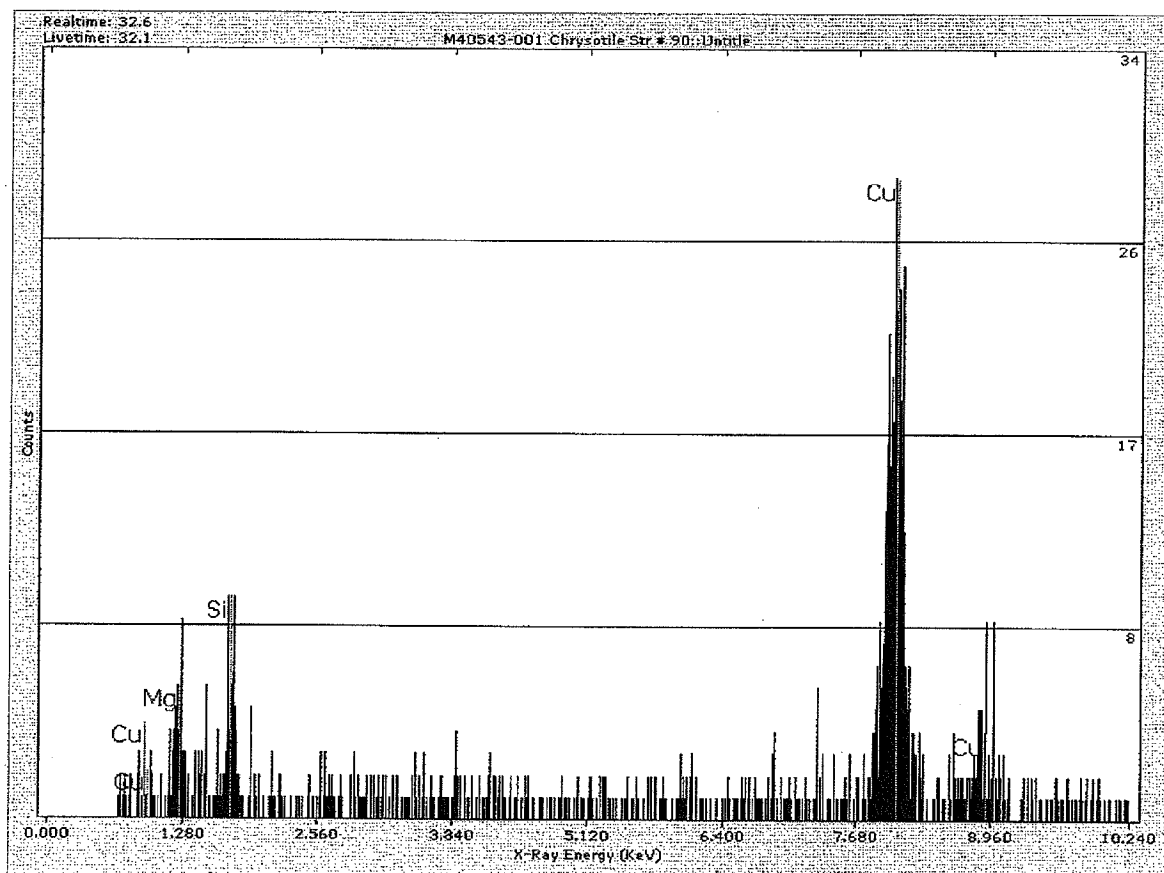


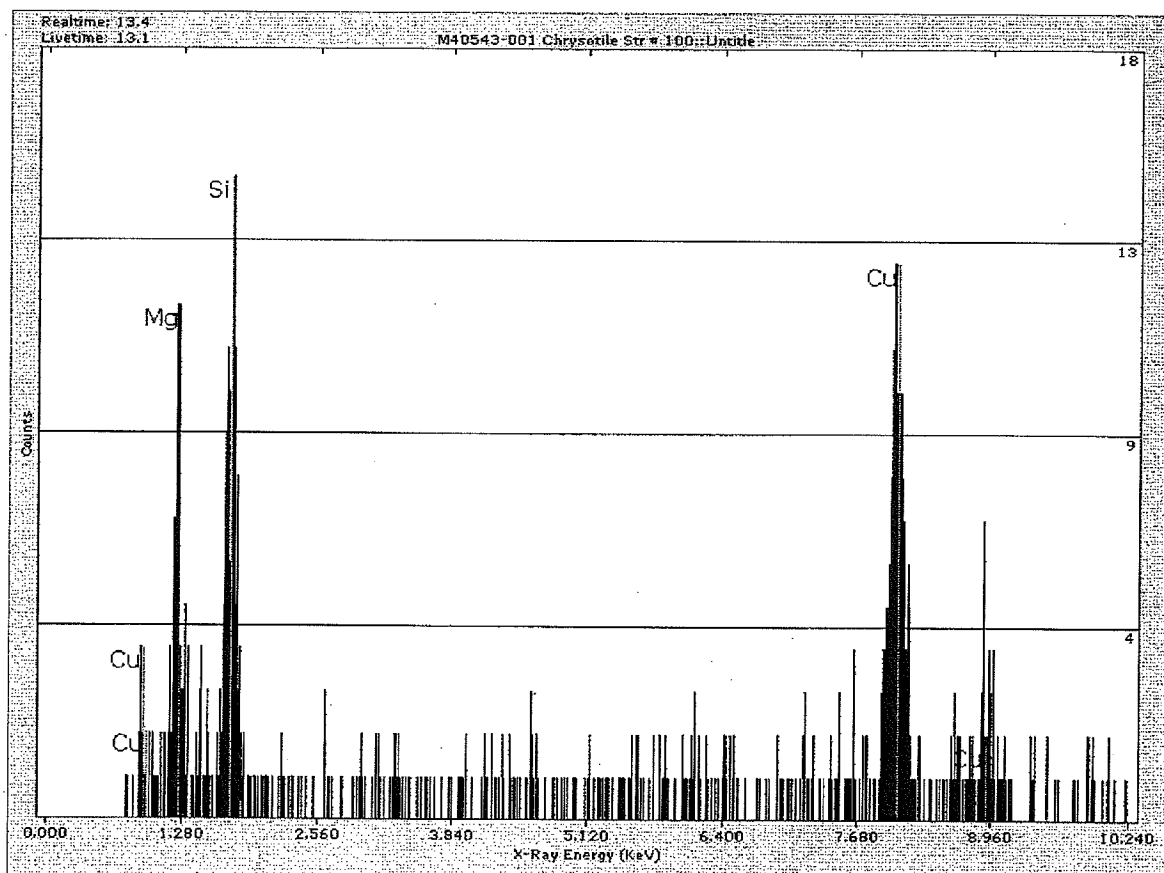












# **SECTION 5**

# Maintenance Building 18

Benton Service Center